

Title (en)
OUTSIDE VAPOR DEPOSITION APPARATUS FOR MAKING OPTICAL FIBER PREFORM AND METHOD FOR MAKING OPTICAL FIBER PREFORM USING THE SAME

Title (de)
VORRICHTUNG ZUR VAKUUMBESCHICHTUNG ZUM MARKIEREN VON OPTISCHEN FASERVORFORMEN SOWIE VERFAHREN ZUR HERSTELLUNG OPTISCHER FASERVORFORMEN MIT DIESER VORRICHTUNG

Title (fr)
APPAREIL DE DEPOT EXTERNE EN PHASE VAPEUR POUR REALISER UNE PREFORME EN FIBRE OPTIQUE, ET PROCEDE DE FABRICATION D'UNE PREFORME EN FIBRE OPTIQUE UTILISANT L'APPAREIL

Publication
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Application
EP 03710495 A 20030327

Priority
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Abstract (en)
[origin: WO2004002911A1] An Outside Vapor Deposition (OVD) apparatus for making an optical fiber preform with uniform deposition of silica particles through uniform heating to the overall length of the preform includes a mandrel having a predetermined length and driven to rotate and a burner for emitting a combustion gas together with a combustion gas toward the mandrel and burning the combustion gas to make silica particles to that the silica particles are deposited on a surface of the mandrel, wherein the burner has a length corresponding to the length of the mandrel and provides uniform temperature throughout the overall length of the mandrel at the same time.

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C03B 37/018; **C03B 19/14**

IPC 8 full level
C03B 37/018 (2006.01); **C03B 37/014** (2006.01)

CPC (source: EP KR US)
C03B 37/0142 (2013.01 - EP US); **C03B 37/018** (2013.01 - KR); **C03B 2207/02** (2013.01 - EP US); **C03B 2207/42** (2013.01 - EP US)

Citation (search report)
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• [Y] PATENT ABSTRACTS OF JAPAN vol. 2000, no. 24 11 May 2001 (2001-05-11)
• [Y] PATENT ABSTRACTS OF JAPAN vol. 0093, no. 24 (C - 320) 19 December 1985 (1985-12-19)
• [XY] PATENT ABSTRACTS OF JAPAN vol. 0153, no. 02 (C - 0855) 2 August 1991 (1991-08-02)
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• [Y] PATENT ABSTRACTS OF JAPAN vol. 0160, no. 98 (C - 0918) 11 March 1992 (1992-03-11)
• See references of WO 2004002911A1

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